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SUPPLEMENTAL GENERAL CONDITIONS
AND
SPECIFICATIONS
FOR
GEOTECHNICAL AND HYDROLOGICAL INVESTIGATION
OF THE
WASTE DISPOSAL SITE STUDY
AT
JOHNS-MANVILLE SALES CORPORATION
WAUKEGAN, ILLINOIS PLANT
PROJECT: S94-3224

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Submitted to Illinois EPA and USEPA

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SUPPLEMENTAL GENERAL CONDITIONS

1.0 General

- 1.1 The work to be completed under this contract includes the obtaining of all necessary permits, (see SGC paragraph 11.0, Codes and Ordinances) furnishing all tools, equipment, labor, and materials (unless specifically omitted herein) necessary to complete the geotechnical and hydrological investigation of the waste disposal site study at our Waukegan, Illinois plant, as specifically outlined under "Scope of Work" below.
- 1.2 Without prejudice to the foregoing, the quality of consultant services shall be as stipulated in these specifications and all work done by the Consultant shall be completed to the satisfaction of the Owner. The Owner shall require that all field and laboratory work will be accomplished per acceptable industry testing standards.
- 1.3 The waste disposal site for this investigation has been in use since 1922. The topography varies and it is assumed that the area was originally a marsh similar to the state park immediately to the north of this property. The site presently consists of solid waste disposal areas and a process closed water system. The closed water system consists of three (3) pump effluent points discharging into a series of settling basins with the water returning to the plant via the Industrial Canal along the north side. The site is bounded by Lake Michigan on the east, Illinois Beach State Park on the north, an old city dump site on the west, and a fossil fuel electrical power generating station on the south.

2.0 Scope of Work

- 2.1 See specifications, paragraph 1.0.

3.0 Work Not Included

- 3.1 See specifications, paragraph 2.0.

4.0 Work Schedule

- 4.1 Upon award of Contract, Consultant shall proceed immediately with ordering the required materials. Provide a safety, technical, and site preparation program for approval by the Owner and governmental agencies prior to starting field work.
- 4.2 Start Contract Work - Consultant shall start actual field activities on *(May 1, 1984). Consultant may move onto site and set up field office prior to this date.
- 4.3 Completion of Work - The Owner requires that the work included under this contract shall be completed by *(October 31, 1984).

*Dates to be finalized by mutual agreement with Illinois EPA and USEPA

4.4 Consultant will be required to prepare immediately after contract award a detailed schedule incorporating dates shown above.

4.5 Consultant agrees in acceptance of schedule that he can properly man project within terms and conditions of contract.

5.0 Owner Supplied Material

Not Applicable.

6.0 Special Inspections and Tests

Not Applicable.

7.0 Responsibility for Loss of Materials

The Owner will not be responsible for the Consultant's loss of tools, materials, etc. The Consultant must safeguard his own property.

8.0 Approved Applicators

Not Applicable.

9.0 Safety, Fire Protection

The Consultant shall adhere strictly to all local, state, OSHA and Plant rules and regulations for industrial construction.

The Owner and/or Owner's Representative are not responsible for the Consultant's compliance with any applicable safety requirements, but is empowered to stop any activities of the Consultant (or its employees) that he considers dangerous.

10.0 Cleanup

The Consultant shall maintain the work area in a clean and satisfactory manner. Do not allow debris to accumulate. A clean-up shall be made once a week or as directed by the Owner and/or Owner's Representative. Construction debris must be removed from site. No dumping or burning will be allowed on Owner's property.

11.0 Codes and Ordinances

All construction shall comply strictly with all local, state and Federal codes and/or ordinances where such is applicable. It will be the Consultant's duty and responsibility to obtain the required approvals and all necessary permits, except that the Owner will obtain any EPA permits required.

12.0 Change Orders

- 12.1 Consultant shall provide the Owner with a typewritten fee schedule for those professional and technical services to be used in the completion of this contract. Any additions and/or deletions to this contract's scope of work shall be accomplished by issuance of a change order based upon this fee schedule.
- 12.2 Quoted prices, submitted by the Consultant on all change orders over \$1,000, including firm price changes, must be completely documented. This would include complete detailed estimates, with man-hours, material quantities, etc. The formula and percentages of Article VI of the contract shall be used for all change orders.
- 12.3 The above applies to all sub-contractors' prices to the Consultant unless changed otherwise by the Owner.
- 12.4 No requests for contract extras will be honored unless Owner's representative is notified prior to start of any work considered to be extra by Consultant.

13.0 Site Visits

The Consultant has visited the site with the Owner's representative and acquainted himself with existing conditions. The Consultant shall, at no time after the visit, assert that there is any misunderstanding in regard to the nature or extent of the work or working conditions.

14.0 Facilities and Services by Owner

- 14.1 Exterior electrical and water services are not available in the immediate disposal site. Consultant shall make arrangements for portable sources if services are required.
- 14.2 Uncovered storage space is available.
- 14.3 The Owner will not unload any of the Consultant's material or equipment.
- 14.4 If Consultant employee parking should be required, it will be in areas designated by the Owner. The Consultant shall be responsible for the maintenance and security of this area as directed by the Owner if such maintenance and security is not presently provided by the Owner.
- 14.5 Consultant access to the disposal site shall be through a gate designated by the Owner. The Consultant shall be responsible also for the maintenance and security of this access point as directed by the Owner. This access point will be for Consultant and sub-contractors only.

14.6 The Consultant shall provide toilet facilities for his personnel. The Owner's toilet facilities and lunchrooms are not to be used by Consultant's personnel.

15.0 Other Contracts

The Owner may have separate contracts in force at the same time and in the same areas. It will be important that this Consultant schedule his work and cooperate with Contractors already on site.

16.0 Owner's Operations

16.1 The Consultant shall not interfere in any way with the Owner's present operations. The Consultant shall not remove any existing construction without prior approval from the Owner. The Owner's operations must be maintained at all times.

16.2 This plant is in operation twenty-four (24) hours per day, seven (7) days per week. The Consultant shall not make any connections to existing services that will interfere with plant operation. Any such connections that are required in accordance with the specifications and drawings shall be authorized by and accomplished under the supervision of the Owner's Representative.

17.0 Standards

References made to trade, technical, governmental or other codes, standards or specifications shall be interpreted as minimums and not maximums.

18.0 Welding

Not applicable.

19.0 Shop Drawings

Not applicable.

20.0 Operating Manuals

Not Applicable.

21.0 Invoicing

Consultant will be expected to break down his lump sum price and submit monthly billings on special form attached to these specifications. The Owner's Representative must review and approve the breakdown of funds on the invoice prior to the first submission of invoice.

22.0 Field Measurements

Consultant shall be responsible for the taking of all field measurements and the checking for any interferences before starting field work. Consultant shall notify Owner's Representative of any changes required to clear existing facilities.

23.0 Attachments to Steel Roof

Not Applicable.

24.0 Job Accidents

- 24.1 Consultant has the responsibility of notifying the Owner's Representative of all accidents to the Consultant's or Sub-Contractor's personnel.
- 24.2 In the case of a lost-time accident, the Owner's Representative must be notified immediately. In all cases, a written report must be made within two days of an accident.

25.0 No Smoking Policy

- 25.1 The Consultant is advised that smoking is prohibited in all areas of this plant site.
- 25.2 This regulation applies not only to Consultant's personnel working on site, but to his vendors, truck drivers, etc., who visit the site.
- 25.3 If someone is smoking, they will be asked to extinguish their smoking material. Non-compliance with this request will result in the individual or Consultant being asked to leave the premises.
- 25.4 There will be no exceptions made to this regulation.

26.0 Asbestos Containing Materials

The consultant shall comply with all Occupational Safety and Health Administration (OSHA), Environmental Protection Agency (EPA), and all state and local regulations for the safe handling of asbestos-containing materials. This includes all procedures and, specifically, procedures for the tearout or removal of existing asbestos-containing materials. Asbestos-containing wastes generated from removal of old asbestos-containing materials shall be handled and disposed of according to OSHA, EPA, and state and local regulations.

27.0 Drawings

<u>Dwg. No.</u>	<u>Title</u>	<u>Remarks</u>
36121-4	Proposed Groundwater Monitoring Well Locations	
36122-4	Proposed Soil Sampling Locations	
42000-1	Topographic Map Waste Disposal Site Study	The Sidwell Co. drawing Job No. T2-020

Reference Drawings

B36014-4	Proposed Constr. Areas, Waste Disposal Site Study	General Plant Layout, Clearing & Grading Phase
36123-4	Proposed Warning Sign Location	Work by Others
A41827-1	Proposed Constr. Areas, Waste Disposal Site Study	Topographic Map, Clearing & Grading Phase